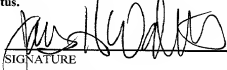


U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.101) 09/936443		INTERNATIONAL APPLICATION NO. PCT/RU00/00060		ATTORNEY'S DOCKET NUMBER V-202	
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24. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : <input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00				CALCULATIONS PTO USE ONLY <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> <tr> <td style="text-align: right;">ENTER APPROPRIATE BASIC FEE AMOUNT =</td> <td style="text-align: center;">\$1,000.00</td> </tr> <tr> <td colspan="2">Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30</td> </tr> <tr> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> </tr> <tr> <td>Total claims</td> <td>9 - 20 = 0 x \$18.00</td> </tr> <tr> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 = 0 x \$80.00</td> </tr> <tr> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td>Multiple Dependent Claims (check if applicable)</td> <td><input type="checkbox"/> \$0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS = \$1,000.00</td> </tr> <tr> <td colspan="2"> <input checked="" type="checkbox"/> Applicant claims small entity status. (See 37 CFR 1.27). The fees indicated above are reduced by 1/2. \$500.00 </td> </tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL = \$500.00</td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30 +</td> </tr> <tr> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE = \$500.00</td> </tr> <tr> <td colspan="2"> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/> \$0.00 </td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED = \$500.00</td> </tr> <tr> <td colspan="2" style="text-align: right;"> Amount to be: refunded \$ charged \$ </td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">a.</td> <td style="width:5%;"> <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. </td> </tr> <tr> <td>b.</td> <td> <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td>c.</td> <td> <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____ A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td>d.</td> <td> <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> </table> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>James H. Walters 802 DELLETT AND WALTERS 310 S.W. Fourth Avenue, Suite 1101 Portland, Oregon 97204 US (503) 224-0115</p> </div> <div style="width: 45%; text-align: right;"> <p> SIGNATURE James H. Walters NAME 35,731 REGISTRATION NUMBER September 10, 2001 DATE</p> </div> </div>				ENTER APPROPRIATE BASIC FEE AMOUNT =	\$1,000.00	Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30		\$0.00		CLAIMS	NUMBER FILED	Total claims	9 - 20 = 0 x \$18.00	\$0.00		Independent claims	1 - 3 = 0 x \$80.00	\$0.00		Multiple Dependent Claims (check if applicable)	<input type="checkbox"/> \$0.00	TOTAL OF ABOVE CALCULATIONS = \$1,000.00		<input checked="" type="checkbox"/> Applicant claims small entity status. (See 37 CFR 1.27). 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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Seiran POGOSSIAN et al

S. N.

International S.N.: PCT/RU00/00060

Filed:

International Filing Date: 23 February 2000

For: SMOKERS' ARTICLE

PRELIMINARY AMENDMENT

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please make the following amendments to this application
prior to examination thereof:

In the Abstract:

Page 9, line 1, in the heading, delete "ABSTRAT" and
substitute --ABSTRACT--.

In the Drawings:

On sheet 4/4 of the drawings, please amend FIG. 4 to read
FIG. 6 as indicated in red on the drawing sheet attached herewith.

REMARKS

The above amendment to the abstract is presented to correct a
typographical error. The amendment to the drawings is presented
to delete reference to a second FIG. 4 (a typographical error) and

COPIES OF THE REPORT

Respectfully submitted,

James H. Walters, Reg. No. 35,73

James H. Walters, Reg. No. 35,731

802
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310 S.W. Fourth Avenue
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(503) 224-0115
DOCKET: V-202

ABSTRACT ABSTRACT

The present invention pertains to the tobacco industry and may be used in the production of smokers' articles that include a mouthpiece and consist of a new product that conjugates the functional properties and qualities of cigarettes with a cardboard mouthpiece and of filter cigarettes. To this end, this smokers' article comprises a tobacco rod wrapped in a separate sleeve of cigarette paper as well as a flexible and elongated mouthpiece which is connected to said rod and has the size of a cardboard mouthpiece. The mouthpiece is made of a pressed fibrous material and includes a filter member, which is arranged on the tobacco rod side, which is integral with the tubular portion of the mouthpiece and which is made in the shape of a continuous cylinder having a diameter equal to that of the mouthpiece tubular portion. The tobacco rod is connected to the mouthpiece by a paper ring. The fact that the cylindrical filtration member is integral with the mouthpiece and consists of the same fibrous material prevents the smoke from flowing without undergoing a filtration cycle in the mouthpiece and also prevents tobacco chips from falling therein.

ABSTRACT

The present invention pertains to the tobacco industry and may be used in the production of smokers' articles that include a mouthpiece and consist of a new product that conjugates the functional properties and qualities of cigarettes with a cardboard mouthpiece and of filter cigarettes. To this end, this smokers' article comprises a tobacco rod wrapped in a separate sleeve of cigarette paper as well as a flexible and elongated mouthpiece which is connected to said rod and has the size of a cardboard mouthpiece. The mouthpiece is made of a pressed fibrous material and includes a filter member, which is arranged on the tobacco rod side, which is integral with the tubular portion of the mouthpiece and which is made in the shape of a continuous cylinder having a diameter equal to that of the mouthpiece tubular portion. The tobacco rod is connected to the mouthpiece by a paper ring. The fact that the cylindrical filtration member is integral with the mouthpiece and consists of the same fibrous material prevents the smoke from flowing without undergoing a filtration cycle in the mouthpiece and also prevents tobacco chips from falling therein.

4/4

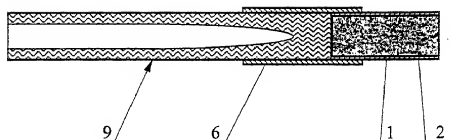


FIG. 5

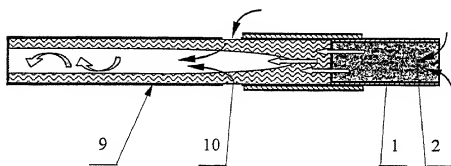


FIG. 4

4/4

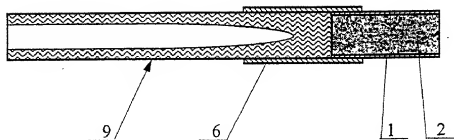


FIG. 5

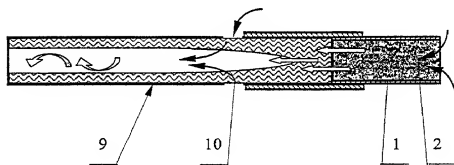


FIG. 6

Applicants or Patentees: POGOSSIAN, Seiran
POGOSSIAN, Semen

Serial or Patent No.: _____ Attorney Docket No: V-202

Filed or Issued: _____

For **SMOKERS' ARTICLE**

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention described in

☐ the specification filed herewith with the title listed above.

☒ the application identified above.

☐ the patent identified above.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

☒ no such person, concern, or organization.

☐ persons, concerns or organizations listed below.*

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

FULL NAME _____
ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

POGOSSIAN, Seiran

NAME OF INVENTOR

Seiran ✓
INVENTOR SIGNATURE

POGOSSIAN, Semen

NAME OF INVENTOR

Semen
INVENTOR SIGNATURE

01 August, 2001

DATE

SMOKERS' ARTICLE**Field of Invention**

The present invention pertains to the tobacco industry and may be used in the production of smokers' articles that include a mouthpiece and consist of a new product conjugating the functional properties and qualities both of cigarettes with a cardboard mouthpiece and of filter cigarettes.

Prior Art

Known in the art are different types of cigarettes that have in common a tobacco rod wrapped in a sleeve made of cigarette paper, a shortened paper mouthpiece and an autonomous, immovable and solid filter member, wherein all the elements being connected so as to shape a single article by a paper ring overlapping a portion of the tobacco rod, the filter member and the mouthpiece; US Pat. No. 3,498,299, IPC A24D 1/04, 1970; GB Pat. 2,203,324, IPC A24D 1/04, 1988.

Also known in the art is a cigarette with a movable filter member, which consists of a tobacco rod wrapped in a sleeve made of cigarette paper and a paper mouthpiece connected thereto; the said mouthpiece contains a nylon or polyethylene filter member made in the shape of a sliding piston moving inside the mouthpiece with raise in the smoke pressure during smoking and adjusting the volume of air inflow; additional filter members, made of acetate fiber, may be arranged at the inlet end or at the outlet end of the mouthpiece; GB Pat. 1,330,936, IPC A24D 1/04, 1973.

Also known in the art are cigarettes having a paper mouthpiece and a shortened tobacco rod wrapped in a sleeve made of cigarette paper and connected with the said mouthpiece with a paper ring; DE Pat. 1,782,478, IPC A24D 1/04, 1975.

Known in the art are cigarettes containing a paper mouthpiece connected by a paper ring with a tobacco rod wrapped in a sleeve made of cigarette paper, wherein a cylindrical insert with holes is arranged in the mouthpiece and shapes two combustion chambers for smoke and the said mouthpiece has holes for air inflow along its perimeter; DE Pat. 1,278,914, IPC A24D 1/04, 1968; FR Pat. 2,497,636, IPC A24D 1/04, 1982.

Also known in the art are cigarettes containing a tobacco rod wrapped in a sleeve made of cigarette paper and a tubular filter member adjacent to the said tobacco rod, one end of the said filter member having a bottom part with a slot therein, which is connected to the said end of the tobacco rod, and the other end of the filter member is open and may have a solid additional filter member closing the said opened end; US Pat. 4,896,682, IPC A24D 1/04, 1990.

The common feature of all the above cigarettes is that the filter member or the shortened mouthpiece is held between the lips, and the cigarette is held between fingers in the area of the tobacco rod or at the point of its junction with the filter member. Such smoking leads to yellowing of the fingers' skin and nails, and in a case where a cigarette is held by the shortened mouthpiece only, fingers touch the lips, which is undesirable. In a wet weather cigarette paper of the tobacco rod, as in contact with wet fingers, is destroyed and one has to smoke cigarettes holding them by the thumb and the forefinger only by the shortened mouthpiece, which is often not convenient and not hygienic, since fingers touch the portion of the mouthpiece that is intended to be held by the lips.

The said disadvantages are partially eliminated by a smokers' article of another type, which is a cigarette with a cardboard mouthpiece. Such a cigarette has an elongated cardboard mouthpiece intended for holding the cigarette with fingers without touching the tobacco rod and allows not to touch its portion that is intended for holding by the lips.

However, smokers' articles in the shape of cigarettes with an elongated cardboard mouthpiece of high quality and with an advanced filter member are not widely used by now.

Known in the art is a smokers' article consisting of a tobacco rod wrapped in a sleeve made of cigarette paper, an elongated cardboard mouthpiece and an autonomous immovable solid filter member located in the outlet portion of the mouthpiece, the latter being connected to the tobacco rod with a paper ring; US Pat. 3,524,450, IPC A24D 1/04, 1970; SU Pat. 259745, IPC A24D 1/04, 1970.

This smokers' article is not widely used because the tubular mouthpiece made of paper gets wet, collapsed, and the smoke may bypass the filter member, going between the exterior surface of the filter member and the paper mouthpiece overlapping it.

Description of Invention

It is an object of this invention to create a smokers' article of new type having advantages of both usual cigarettes and cigarettes with a cardboard mouthpiece, but, at the same time, having no disadvantages peculiar to the both commonly known types of smokers' articles.

This object is attained in a smokers' article that comprises a tobacco rod wrapped in a separate sleeve made of cigarette paper and an elongated and resilient mouthpiece which is connected to the said rod and has the size of a cardboard mouthpiece (that is, the tubular part of a mouthpiece exceeds 40 mm). The mouthpiece is made of a pressed fibrous material and includes a filter member which is arranged on the tobacco rod side, is integral with the tubular portion of the mouthpiece and is made in the shape of a continuous cylinder having a diameter equal to that of the mouthpiece tubular portion. The length of the said mouthpiece exceeds that of the tobacco rod, and the length of the said cylindrical filter member is at least half as great as the length of the tobacco rod and at least one third as great as the length of the said tubular portion of the mouthpiece. The tobacco rod is connected to the elongated mouthpiece with a paper ring overlapping, at least, the surface of the cylindrical filter member, and the fibrous material of the mouthpiece is pressed to such a degree so as to ensure restoration of the tubular portion open flow area after removal of compressive load under which the tubular portion has been fully compressed.

As a material for making a resilient mouthpiece and, consequently, a cylindrical filter member acetate fiber may be used, which is used for making cigarette filter members.

An additional filter member made of activated carbon or the like materials may be arranged between the tobacco rod and the cylindrical filter member.

An additional filter member may be also arranged behind the cylindrical filter member inside the tubular portion of the mouthpiece.

The said resilient and elongated mouthpiece made of a pressed fibrous material may be wrapped in a paper sleeve, and the said paper ring may be connected with a glue to the outer surface of the said paper sleeve.

The resilient and elongated mouthpiece made of a pressed fibrous material may have the plasticized outer surface that enables not to enclose it in an additional paper

sleeve, since a plasticized surface is free from roughness peculiar to a fibrous structure and protects the outer surface of fibers from splitting during smoking.

As a plasticizer a polyvinyl acetate emulsion may be used, which is a product obtained by polymerizing vinyl acetate in an aqueous medium under heating in the presence of an emulsifier. Also, other plasticizers may be used which are compatible with a given fibrous material of the tubular mouthpiece and capable of forming a thin, smooth and monolith layer with outer fibers of the said fibrous material. This procedure of making completely prevents smoke from passing through the mouthpiece without entering the filter member.

A resilient and elongated mouthpiece made of a pressed fibrous material and having the plasticized outer surface may have a ring section not covered with a plasticizer and arranged after the paper ring to ensure additional air inflow when smoking.

Such a smokers' article ensures a high intake of substances contained in smoke, i.e. nicotine, tars, etc., since it has a large active adsorbing surface area.

The fact that the cylindrical filter member is integral with the mouthpiece and consists of the same fibrous material prevents the smoke from flowing without undergoing a filtration cycle in the mouthpiece and also prevents tobacco chips from falling therein. The selected proportions of the smokers' article elements ensure comfort and hygiene when smoking, and the mouthpiece ensures the possibility of holding the article with fingers without touching the lips while smoking and without contact between fingers and the portion held by the lips. The use of a fibrous material for the mouthpiece ensures restoration of its shape after squeezing the mouthpiece with fingers, the smoke, while passing through the said fibrous material, cools down, the fibrous structure of the mouthpiece ensures retention of heat and absorption of the lips' moisture, keeping the outer surface dry (mouthpieces made of cigarette paper and cigarette filter members wrapped in cigarette paper get wet during smoking).

Brief Description of Drawings

FIG. 1 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material wrapped in a paper sleeve.

FIG. 2 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material and an additional filter member made of activated carbon which is arranged adjacent to the tobacco rod.

FIG. 3 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material and an additional filter member made of activated carbon which arranged behind the tobacco core.

FIG. 4 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material and additional filter member made of activated carbon and arranged inside the said mouthpiece.

FIG. 5 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material and having the plasticized surface.

FIG. 6 is a cross sectional view of the smokers' article with a mouthpiece made of a pressed fibrous material having, behind a paper ring, a ring portion that is not covered with a plasticizer. The arrows show how the smoke and aspirated air pass through the elements of the smokers' article.

Best Embodiments of the Invention

The smokers' article (Fig. 1 - Fig. 6) comprises a tobacco rod 2 wrapped in a separate sleeve 1 made of cigarette paper and a resilient and elongated mouthpiece 3 which is connected to the said rod and has the size of a cardboard mouthpiece (the length of the tubular portion is at least 40 mm). The mouthpiece is made of a pressed fibrous material and has, on the side of the tobacco rod 2, a filter member 5 made integral with the tubular portion 4, said filter being made of the same fibrous material and being made in the shape of a continuous cylinder having a diameter (D) equal to the diameter (d) of the mouthpiece tubular portion. The total length (L) of the said mouthpiece exceeds the length (S) of the tobacco rod, and the length (T) of the cylindrical filter member 5 is at least half as great as the tobacco rod length (S) and at least one third as great as the length (B) of the mouthpiece tubular portion 4. The tobacco rod 1 is connected to the elongated mouthpiece 3 by a paper ring 6 at least overlapping the surface of the cylindrical filter member 5, and the mouthpiece fibrous material is pressed so as to ensure restoration of the open flow area of the tubular portion 4 after removal of the compressive load under which the tubular portion has been fully compressed.

Acetate fiber commonly used for making cigarette filters may be used as a material for making a resilient mouthpiece 3 and, consequently, a cylindrical filter member 5.

Between the tobacco rod 2 and the cylindrical filter member 5 an additional filter member 7 may be arranged, being made of activated carbon or a similar material (Fig. 3).

The said additional filter member 7 may be also arranged behind the cylindrical filter member 5 inside the tubular portion 4 of the mouthpiece (Fig. 4).

The resilient and elongated mouthpiece 3 made of a pressed fibrous material may be wrapped in the paper sleeve 8, and the paper ring 6 may be glued to the outer surface of the paper sleeve 8 (Fig. 2).

The resilient and elongated mouthpiece 3 made of a pressed fibrous material may have the plasticized outer surface 9 (Fig. 5), which makes its wrapping into an additional paper sleeve unnecessary since the plasticized surface is free from roughness conditioned by fibrous structure and protects the outer surface of fibers from splitting during smoking.

As a plasticizer a polyvinyl acetate emulsion may be used, which is a product obtained by polymerizing vinyl acetate in an aqueous medium under heating in the presence of an emulsifier. Also, other plasticizers may be used which are compatible with a given fibrous material of the tubular mouthpiece and capable of forming a thin, smooth and monolith layer with outer fibers of the said fibrous material. This procedure of making completely prevents smoke from passing through the mouthpiece without entering the filter member.

A resilient and elongated mouthpiece 3 made of a pressed fibrous material and having the plasticized outer surface 9 may have a ring section 10 (Fig. 6) not covered with a plasticizer and arranged after the paper ring 6 to ensure additional air inflow when smoking. The said paper ring 6 may completely overlap the said resilient and elongated mouthpiece 3 (this is not shown on Figs. 1 - 6). Such a smokers' article ensures a high intake of substances contained in smoke, i.e. nicotine, tars, etc., since it has a large active adsorbing surface area.

The making of the cylindrical filter member 5 integral with the mouthpiece 3 and of the same fibrous material is highly technological and prevents the smoke from flowing without undergoing a filtration cycle in the mouthpiece and also prevents tobacco chips from falling therein. The selected size relation of the members of the smokers' article ensures comfort and hygiene when smoking. The smokers' article is

balanced and may be conveniently held between the middle finger and the forefinger, the thumb being not in contact with the inlet portion of the mouthpiece. The mouthpiece ensures the possibility of holding the smokers' article between the fingers, without touching the lips when smoking.

Some smokers are used to squeeze the mouthpiece between their fingers when smoking and grip it by their teeth. The use of a fibrous material for the mouthpiece ensures restoration of its shape after squeezing the mouthpiece with fingers, the smoke, while passing through the said fibrous material, cools down, the fibrous structure of the mouthpiece ensures retention of warmth and absorption of the lips' moisture, keeping the outer surface dry (mouthpieces made of cigarette paper and cigarette filter members wrapped in cigarette paper get wet during smoking).

In a particular embodiment the smokers' article has the following parameters: total length - 120 mm, length of the tobacco rod - 50 mm, length of the resilient mouthpiece - 70 mm, length of the cylindrical filter member - 12 mm, length of the paper ring - 35 mm, outer diameter of the mouthpiece - 7 mm, inner diameter of the mouthpiece tubular portion - 5 mm, mouthpiece material - pressed acetate fiber.

Industrial Applicability

Thus, this smokers' article ensures smoke filtration by the cylindrical filter member and the mouthpiece tubular portion directly connected to the said filter member, but not over its total length. In smoking it practically keeps the mouthpiece portion, which is held between fingers, clean of the smoke and smoke deposits in spite of the fact that the whole mouthpiece is made of the same fibrous filtering material. The smoke, as flowing through the mouthpiece tubular portion, lodges on such a long inner surface, but does not pass through it. Therefore the smoker's fingers do not absorb smoke sediments and remain clean.

THE CLAIMS

1. A smokers' article characterized in that it comprises a tobacco rod wrapped in a separate sleeve made of cigarette paper, a resilient and elongated mouthpiece which is connected to said rod and has the size of a cardboard mouthpiece and which is made of a pressed fibrous material and includes a filter member arranged on the tobacco rod side and made integral with the tubular portion of said mouthpiece, said filter member being a continuous cylinder with a diameter equal to that of the mouthpiece tubular portion and which total length exceeds that of said tobacco rod; the length of the said cylindrical filter member being at least half as great as the length of the tobacco rod and at least one third as great as the length of the said tubular portion of the mouthpiece, the tobacco rod being connected to the elongated mouthpiece with a paper ring overlapping, at least, the surface of said cylindrical filter member, and the fibrous material of the mouthpiece being pressed to such a degree so as to ensure restoration of the tubular portion open flow area after removal of compressive load under which the tubular portion has been fully compressed.

2. The smokers' article according to claim 1 wherein acetate fiber is used as the material for making said resilient mouthpiece and said cylindrical filter member.

3. The smokers' article according to claim 1 wherein an additional filter member is arranged between said tobacco rod and said cylindrical filter member.

4. The smokers' article according to claim 1 wherein an additional filter member is arranged behind said cylindrical filter member inside said mouthpiece tubular portion.

5. The smokers' article according to claim 1 wherein an additional filter member is made of activated carbon or similar filtering material.

6. The smokers' article according to claim 1 wherein said resilient and elongated mouthpiece made of a pressed fibrous material is wrapped in a paper sleeve and wherein a paper ring is connected to the outer surface of said paper sleeve with a glue.

7. The smokers' article according to claim 1 wherein said resilient and elongated mouthpiece made of a pressed fibrous material has the plasticized outer surface.

8. The smokers' article according to claim 7 wherein a polyvinyl acetate emulsion is used as a plasticizer.

9. The smokers' article according to claim 7 wherein said resilient and elongated mouthpiece made of a pressed fibrous material with the plasticized outer surface has a ring portion which is not covered with a plasticizer, is arranged behind said paper ring and provides additional air inflow in smoking.

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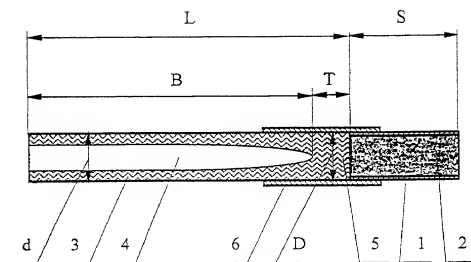


FIG. 1

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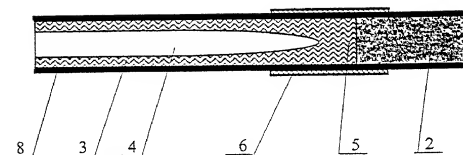


FIG. 2

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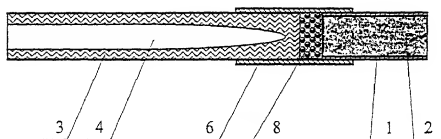


FIG. 3

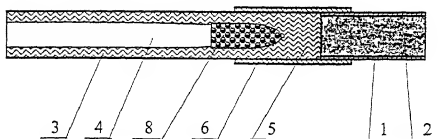


FIG. 4

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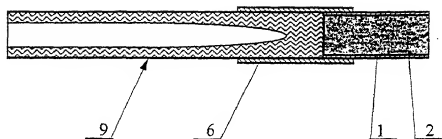


FIG. 5

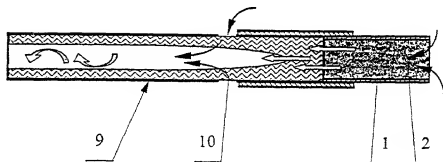


FIG. 4

Docket No.
V-282**Declaration and Power of Attorney For Patent Application**
English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SMOKERS' ARTICLE

the specification of which

(check one)

☐ is attached hereto.☒ was filed on 23 February 2000 as United States Application No. or PCT InternationalApplication Number PCT/RU00/00060

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 385(b) of any foreign application(s) for patent or inventor's certificate, or Section 385(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

99184408

RU

12 March 1999

Number)

(Country)

(Day/Month/Year Filed)

☐

Number)

(Country)

(Day/Month/Year Filed)

☐

Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)
_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

James H. Walters, Reg. No. 35,731

I authorize the attorney that I have appointed to accept instructions regarding this application and the resulting patent from VIP World Trade Consulting LLC.

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